Erection of wind mills in Tamil Nadu

1401. SHRI N.R. GOVINDARAJAR: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the details of projects selected for erection of wind mills in Tamil Nadu;

(b) the quantum of electricity likely to be generated at these projects;

(c) whether any new site has been identified in the State; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) A wind power capacity of 3700MW has already been installed in the State of Tamil Nadu upto September, 2007 in locations lying mostly in Palghat, Shengottah, and Aralvoimozhi passes. About 300MW capacity Wind Power Projects is likely to be added in the State upto March, 2008.

(b) Total quantum of electricity likely to be generated is about 26 Billion Units from these projects.

(c) and (d) New Wind Power Projects have been planned in Theni Circle of Theni District in Tamil Nadu.

Production of bio-diesel

1402. PROF. P.J. KURIEN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the efforts being made by Government for production of Bio-diesel in the country;

(b) the progress made in this regard;

(c) whether the target fixed for the purpose has been achieved;

(d) if so, the details thereof and if not, the reasons therefor; and

(e) the target fixed for the next financial year, State-wise.

THE MINISTER OF STATE OF THE MINISTRY OF NE WAND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) The Government of India has given top priority for promotion and use of bio-fuels, which includes bio-diesel and bio-ethanol. Considering the importance of promotion and use of bio-fuels for transportation, stationary and other applications, the Government of India has issued a Notification in July, 2006 giving specific responsibilities to various Union Ministries and Departments. The Government emphasis use of non-edible oils such as Jatropha curcas, Pongamia pinnata oils, etc. for production of bio-diesel and use of forest & non-forest wastelands for plantation of non-edible oil seed bearing plants.

The Ministry of New & Renewable Energy has sponsored R&D projects on bio-fuels to some leading R&D Institutions. Process parameters for production of bio-diesel from Jatropha curcas (Ratanjot) and Pongamia pinnata (Karanja) have been optimized; field trials on diesel car have been carried out with different levels of blend of bio-diesel produced from Jatropha and Pongamia with diesel. The vehicle response has been found to be comparable with diesel vehicles. A200 liter capacity per batch bio-diesel reactor has been designed, fabricated